

Weekly Report 2016.05.23-2016.05.29

Progress:

1. Huawei Project.

This week I tested the performance of react, d3, and direct string. I surprisingly found out that direct string is the fastest method. I drew 10,000 circles in svg by the three methods and recorded the time they spent. React took 8130 ms, d3 took 1272 ms, and direct string took 588 ms.

Therefore, I think we need to rewrite the code by generate html strings directly, as it is the fastest way.

The reason why react is slow might be that it has to initiate some other components first before it render the virtual dom.

2. Patent.

As Tianye has a survey to write, I think it is better to write a draft first and then let her revise it. I have finished most of the draft of the patent of the vis submission.

3. Review the paper TMNVis.

I have finished the review of TMNVis.

Plan:

1. Huawei Project

Start to revise the code to direct string.

2. Patent

Finish the draft of the patent and let Tianye revise it.

3. Vis Submission

We might get the result of vis submission. Whatever the result is, revise the paper according the review results.